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THE TIDAL AND WAVE ENERGY OUTLOOK Opportunities and Challenges

*The most comprehensive and up-to-date
marine energy development report*

In the UK it is estimated that marine energy could be worth as much as **£6 billion** and generate **20,000 jobs by 2035**. Furthermore, the UK government think tank Carbon Trust has forecast that the sector could be worth a staggering **£76 billion by 2050** in the UK alone.

With increasing government support for marine energy, particularly in the UK, the industry is providing more accessible and profitable investment opportunities. The sector requires investors to aid developers by providing the necessary **financial backing** to take their technology demonstration units to array configurations that are capable of developing low-cost electricity and a strong financial return. The sector's potential for financial gain is rapidly acquiring momentum and industry experts are forecasting that **the levelised cost of power production will be less than that of offshore wind power by 2020**. Many developers believe that **within just six years investors can expect to see their investments making a positive and substantial return**.

In this publication, we have examined the industry in detail, and included an **analysis of generation costs and technical challenges for commercial-scale deployment**.

The publication includes case studies on major tidal and wave energy developers, including **Marine Current Turbines, Flumill, Scotrenewables Tidal Power, Tocardo Tidal Turbines, Tidal Energy, Kepler Energy, Aquamarine Power, Pelamis Wave Power, Offshore Wave Energy, 40 South Energy** and **Albatern**. It describes the competitive edge of each technology, and also reveals the development status of each technology. It concludes by summarizing the business, investment and technological potential for marine energy in 2014, providing an invaluable resource for developers and investors seeking to enter the marine energy sector.

By interviewing developers, academics, both current and potential investors, and sector specialists, we have gained a **thorough and comprehensive understanding of the marine energy sector and its dynamics**. This extensive research has enabled us to compile the most relevant and comprehensive wealth of information regarding marine energy technologies and industry.

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